

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A parking assist apparatus comprising:
 - a target parking position setting means for setting a target parking position based on an image displaying surroundings of a vehicle;
 - a traveling locus calculating means for calculating a traveling locus from a present vehicle position to the target parking position set by the target parking position setting means;
 - a memory means for maintaining storage of the traveling locus generated before a change of the target parking position is performed by the target parking position setting means until a new traveling locus is generated in response to the change of the target parking position after a parking assist control is started based on the traveling locus initially generated by the traveling locus calculating means before the change of the target parking position; and
 - a parking assist means for assisting parking of the vehicle based on the traveling locus, the parking assist means assisting the parking of the vehicle based on the new traveling locus when the new traveling locus is generated by the traveling locus calculating means, and the parking assist means assisting the parking of the vehicle at the target parking position based on the traveling locus stored in the memory means and generated before the change of the target parking position when the new traveling locus is not generated by the traveling locus calculating means

following the change of the target parking position by the target parking position setting means,

wherein the memory means maintains storage of the traveling locus generated at a time immediately before the change of the target parking position is performed when a difference between the target parking position changed by the target parking position setting means and the target parking position set at a time immediately before the target parking position is changed is equal to or smaller than a predetermined value, wherein the target parking position is changed to a newly set target parking position by the change of the target parking position, and wherein when the difference between the newly set target parking position and the target parking position set at a time immediately before the change of the target parking position is equal to or small than the predetermined value, the traveling locus to the newly set target parking position stops being calculated by the traveling locus calculating means and the parking assist control is continued based on the traveling locus generated at a time immediately before the change of the target position.

2. (Previously Presented) A parking assist apparatus according to claim 1, wherein the memory means stores information of the traveling locus generated at a time immediately before the target parking position is changed and information of the target parking position set at a time immediately before the target parking position is changed.

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)